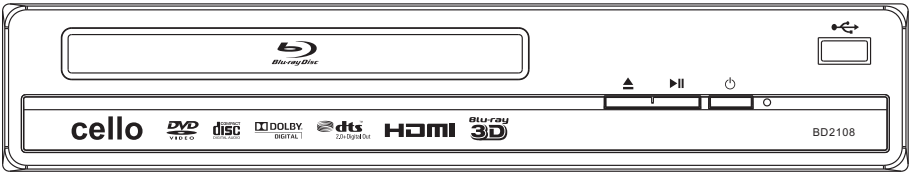
cello

BD2108

BLU-RAY DISC PLAYER



Please read this User Manual carefully to ensure correct use of this product and keep this manual for future reference.

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Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings, install in accordance with the instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Unplug this apparatus during lightning storms or when unused for long periods of time.
13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14) The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
15) The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains, etc.
16) No naked flame sources, such as lighted candles, should be placed on the apparatus.
17) Attention should be drawn to the environmental aspects of battery disposal.
18) The use of apparatus in moderate climate.
19) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
WARNING: The batteries shall not be exposed to excessive heat such as sunshine, fire or the

The symbol indicates that dangerous voltages constituting a risk of electric shock are present within this unit.

The symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

This symbol indicates that this product incorporates double insulation between hazardous main voltage and user accessible parts. When servicing use only identical replacement parts.

1. OVERVIEW

This BD player has the capability of providing high-definition, cinema-like pictures and multi-channel audio. Soundtracks in more than one language are usually included on the disc, and subtitles in more languages are often included as well.

1.1 PLAYABLE DISC TYPES

The following types of discs can play in the Blu-Ray Disc player:

Blu-Ray™ Discs		DVD-RW	
DVD Video Discs (DVD-ROM)		DVD-R	
Audio CDs (CDDA)		DTS-CD	
VCD		MP3/WMA/JPEG Data CD	

NOTES:

For writeable **DVD** discs (DVD-RW, DVD-R)

- Only DVD-RW/-R recorded with UDF or ISO9660 format can be played back.
- The discs must be finalized, VR-mode.
- Playback may not work for some types of discs, or when specific operations, such as angle change and aspect ratio adjustment, are being performed. Information about the discs is written in detail on the box. Please refer to this if necessary.
- Some DVD-VR discs will be playable but not all features are available.

For writeable **CD** discs

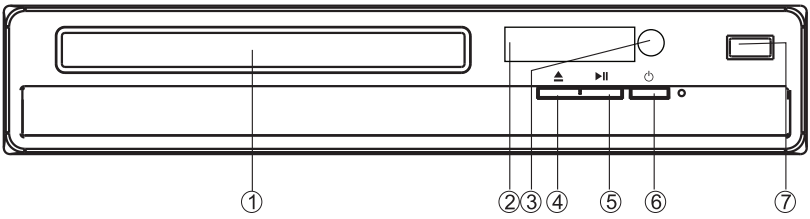
- Only CD-R/-RW media recorded with UDF or ISO9660 format can be played, and they must be finalized.

1.2 REGION CODE

If the Region number of a BD or DVD disc does not correspond to the region number of this Blu-ray disc player, the BD player cannot play the disc. The region code is printed on the rear panel of the BD Player.

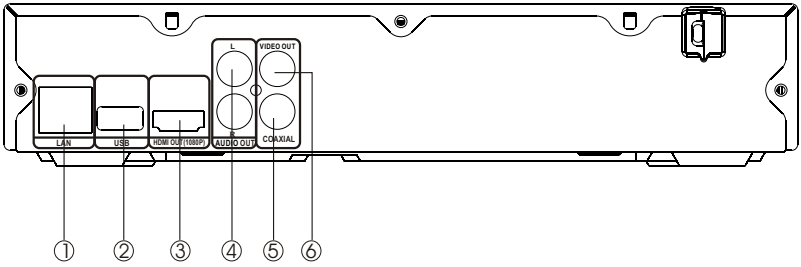
2. Front Panel and Rear Panel Illustration

2.1 Front panel



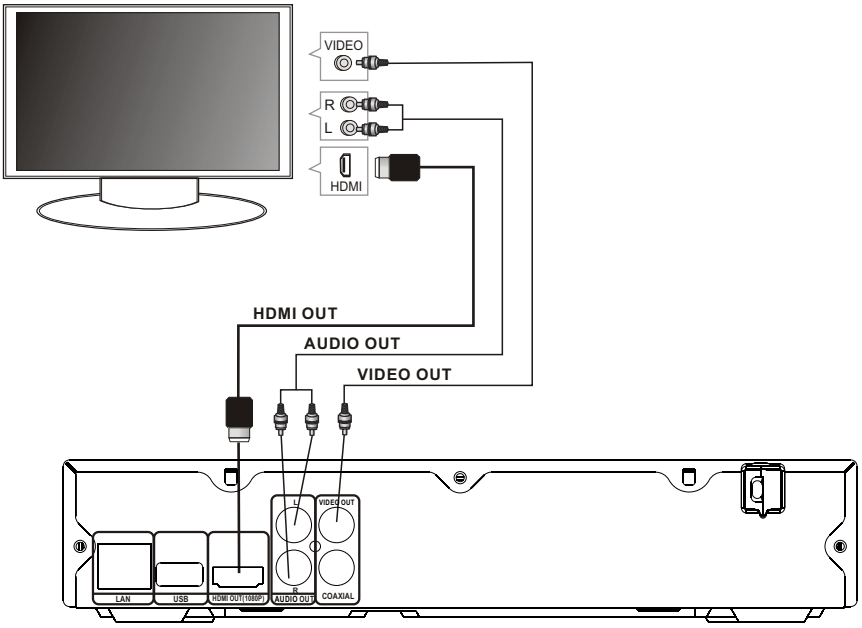
① DISC TRAY
② DISPLAY
③ REMOTE CONTROL SENSOR
④ OPEN/CLOSE BUTTON
⑤ PLAY/PAUSE BUTTON
⑥ ON/OFF
⑦ USB HOST

2.2 Rear panel



① LAN (Ethernet)
② USB
③ HDMI OUTPUT
④ AUDIO OUTPUT (R/L)
⑤ DIGITAL AUDIO OUTPUT (Coaxial)
⑥ COMPOSITE VIDEO OUTPUT

2.3 TV Set Connections



2.3.1 CONNECTING TO A TV WITH AUDIO CABLE

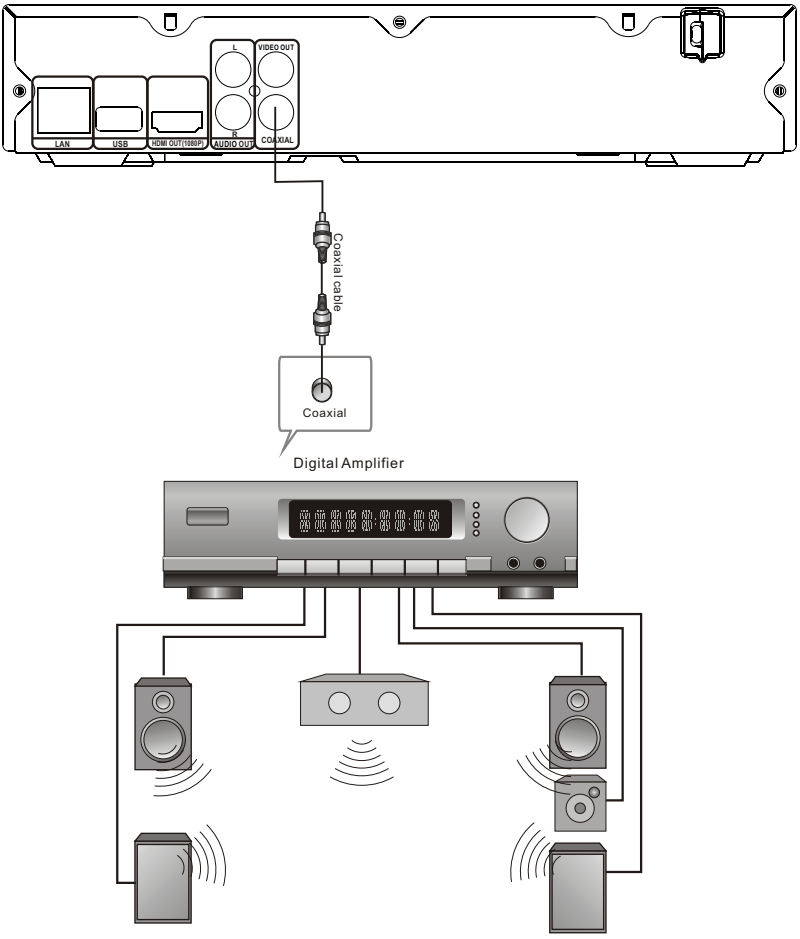
Using the audio cables connect the AUDIO OUT (red and white) terminals on the rear of the product to the AUDIO IN (red and white) terminals of your TV. Connect the BD player's video out jack to the video input jack of TV.

2.3.2 CONNECTING TO A TV WITH AN HDMI CABLE

Using an HDMI cable, connect the HDMI OUT terminal on the rear of the product to the HDMI IN terminal of your TV.

Notes: The player supports video resolution up to 1080p 60Hz on HDMI output.

2.3.3 CONNECTING TO AN AV AMPLIFIER USING DIGITAL AUDIO (Coaxial)



Notes:

1. Select the Coaxial digital audio output.
2. Set the digital Amplifier to the AV input connected to the BD player.

3. Output Illustration

3.1 Video Output Capabilities

Each of the video outputs are capable of different levels of functionality, as described in the table below. Actual output will depend on setup menu settings and TV capabilities for HDMI televisions.

BD Player Video Output	Resolutions Supported (NTSC Models)	Resolutions Supported (PAL Models)
HDMI	1080p 60/30/24Hz 1080i 720p 480p 480i	1080p 50/25/24Hz 1080i 720p 576p 576i
Composite Video	NTSC SD (480i)	PAL SD (576i)

3.2 Audio Output Capabilities

Each of the audio outputs are capable of different levels of functionality, as described in the table below. Actual output will depend on

- BD player setup menu settings,
- What types of audio tracks are encoded on the disc, and,
- Surround sound receiver capabilities (for BD players connected to a surround-sound system through HDMI or Digital audio output (Coaxial)

BD Player Audio Output	**Audio tracks that can be sent directly to output**
HDMI	**Dolby TrueHD** **Dolby Digital Plus** **DTS-HD High-Resolution Audio** **Dolby Digital** **DTS** **PCM** (From mono up to 7.1 channels @96 Khz)
SPDIF	**Dolby Digital** **DTS** **PCM** (stereo only, up to 96 Khz)

3.3 Connectors Description

3.3.1 SPDIF Digital Audio Output
The SPDIF output is a digital audio output. If you have a surround-sound receiver with a SPDIF (coaxial)input, connect this output to the coaxial input of the surround sound receiver.

3.3.2. Stereo Audio Outputs
These are analog, "old fashioned" stereo (left/right) outputs. If your TV does not have an HDMI input, you can connect these outputs to the stereo audio inputs of a TV.

3.3.3. Composite Video
If your TV does not have component or HDMI video inputs, connect this output to the composite video input of the television.

3.3.4. HDMI 1.3 Audio/Video Output
If you are using a surround-sound audio receiver with an HDMI input, connect the HDMI output of the BD player to the HDMI input of the audio receiver. (You will need to connect a second HDMI cable from the HDMI output of the audio receiver to the HDMI input of the television)

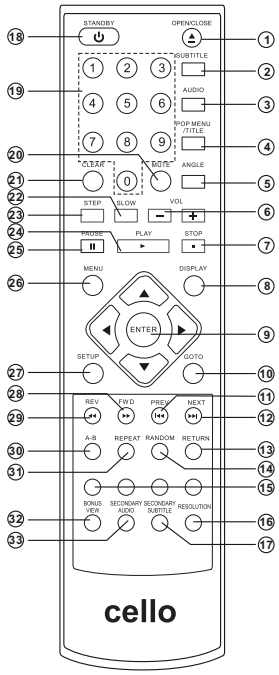
If your surround-sound audio receiver does not have an HDMI input (or if you are not using a surround-sound receiver), connect this output directly to the HDMI input of the TV. One of the other audio outputs can be connected to the audio receiver.

3.3.5. Ethernet Connector
For BD-Live only, use an Ethernet cable to connect this connector to access Ethernet while playing BD-Live disc.

3.3.6. USB 2.0 Connector
Used for external USB memory access, play supported audio/video files on USB memory or store download content into USB memory for BD-Live

Warning: The USB memory stick should be Plugged in to the unit directly.
USB extension cable should not be used to avoid failing of data transferring and interference caused.

4. Remote Control



1.Open/Close
Press this button to open/close the disc tray.

2.Subtitle
This key can be used to enable/disable subtitles during BD/DVD playback. If the disc has more than one subtitle language, it can also be used to cycle through the subtitle languages.

3.Audio
This key is used to cycle through the movie audio soundtracks available on the disc to disc available on all discs to discs

4.Pop Menu/Title
On BD discs only, this button can be used to bring up the main discs to discs menu. (Not available on all discs).

5.Angle
Some BD and DVDs are filmed with more than one camera angle. During playback of such a disc, pressing this button will allow you to switch camera angles. (Not available on all discs)

6.VOL (+/-)
Pressing the VOL+ button will increase the volume of the BD player's audio output. Pressing the VOL- button will decrease the volume of the BD player's audio output.

7.STOP
This button stops playback of a BD/DVD movie or files on disc.

8.DISPLAY
Press this button to show current play status and time information.

9.Menu Navigation Keys
These keys are used when navigating the menus on BD and DVDs. They are also used for navigating the setup menus for the BD player.

10.GOTO
This button is used with the numeric keypad to jump to a specific track on an audio CD.

11.PREV
Press this button to play previous title, chapter, track or file if valid.

12.NEXT
Press this button to play next title, chapter, track or file if valid.

13.Return
When navigating files on a data CD or USB stick, pressing this button will return you to the previous folder or menu.

14.Random
Used for random playback of audio files on disc. (Not available on all discs).

15.Colour Keys
The red, green, yellow, and blue keys are used to implement disc-specific features on some BD discs. (Not available on all discs).

16. Resolution
Under STOP status, press this button, it can change resolution settings directly a

17.Secondary Subtitle
Used to bring up the subtitle (if available) for the picture- in-picture (director's commentary, etc) on a BD title. If the disc has more than one director's commentary subtitle language, it can also be used to cycle through the subtitle languages. (Not available on all discs).

18. STANDBY

Press the STANDBY button to turn the BD player on or off.

Note: After AC power being turned on, the system will take about 16s to run linux and initialize hardware, please be patient, the system will not respond to any key input during this period.

19. Numeric Keypad

These buttons are used with the GOTO button to jump to specific title/chapter (track) or time.

20. MUTE

Mutes the speakers of your TV.

21. CLEAR

When entering numeric values via the numeric keypad , this button is used to clear a number entered incorrectly.

22.SLOW

Pressing this button will cause the video to be played at ½, 1/4, 1/8 speed.

23. Step

Pressing this button will play the movie one frame at a time.

24.Play

Pressing this button will start or resume playback.

25. Pause

Pressing this button will pause audio and video playback.

26.Menu

Pressing this key will immediately stop playback, and bring up the main or 'top' menu of the BD or DVD disc. (Not available on all discs)In the main menu, you can typically choose subtitle language, audio track, or different scene etc.

27.Setup

Shows the settings menu. This key will not work during disc playback.

back

28.Fast Forward

Used to “Fast Forward” during content playback.

29.Fast Reverse

Used to “Fast Reverse” during content playback.

30.A-B

When a disc is playing, pressing this button once will save a “start point” for repeating playback. Pressing this button again to select a “end point” then playback will repeat from the start point to the end point. (Not available on all discs)

31.REPEAT

This button is used to cycle through the possible“repeat” modes based on content played.

BD/DVD or video files on disc: (Not available on all discs)

CDDA or audio Files on disc:

32.Bonus View

On BD discs, this button is used to turn the video portion of the director's commentary (picture-in-a-picture) on and off. (Not available on all discs).

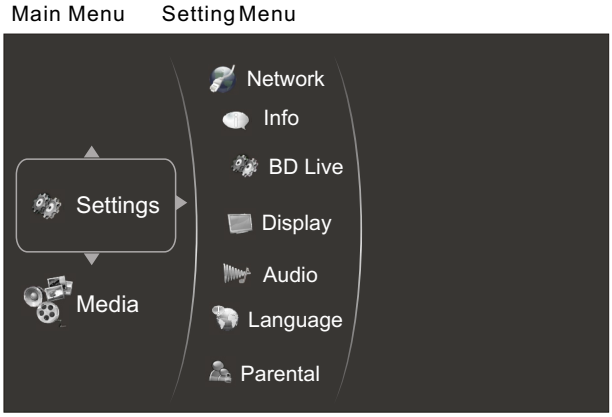
Note: Director's commentary must have been turned on in the BD's main menu in order for this key to work.

33.Secondary Audio

On BD discs equipped with multiple director's commentaries in several languages, pressing this key will cycle through all of the languages available for the director's commentaries. (Not available on all discs).

5.System Setting

To view system settings press the SETUP key. The menu will show on screen as below.



5.1Language

5.1.1 OSD: set language used for user interface displayed.

5.1.2 Menu: set language used for BD/DVD menu (not available on all discs).

5.1.3 Audio: select audio language for BD/DVD disc (not available on all discs).

5.1.4 Subtitle: select subtitle language used for BD/DVD disc (not available on all discs).

5.2Display

5.2.1 TV Type: Select to output NTSC or PAL video format .

5.2.2 Resolution: To get the best video quality set the best resolution for your TV, If you are not sure select HDMI Auto. The system will read the preferred resolution supported by your TV via EDID.

5.2.3 Select the correct aspect ratio. (Refer to the below table)

Note: The Aspect setting only effects HDMI and COMPONENT output. The 4:3 setting has no effect if the resolution has been set to 720p, 1080i or 1080p.

	TV Aspect Menu Selection			
	If your TV is more rectangular (16:9), choose:		**If your TV is more square (4:3), choose:**	
	16:9 Full	16:9 Pillarboxed	4:3 Letterboxed	4:3 Pan Scan
Disk Contents				
Movie in widescreen format	Movie will fill entire screen	No effect - Movie will fill entire screen	Movie will be shown in rectangular "wide" aspect ratio (Horizontal bars will be shown above/below movie)	Center of movie will be shown on TV. Left and right portion of movie contents will not be shown
HD television episodes in widescreen format	Episode will fill entire screen	No effect – Epsiode will fill entire screen	Episode will be shown in rectangular "wide" aspect ratio (Horizontal bars will be shown above/below movie)	Center of episode will be shown on TV. Left and right portion of episode contents will not be shown
SD (4:3) television episodes	Episode will be *stretched horizontally* to fit entire screen	Episode will be shown in center of screen; vertical bars will appear on sides of screen	No effect – Epsiode will fill entire screen	No effect – Epsiode will fill entire screen
Cropped Movie (Movie put on disk in 4:3 Aspect Ratio)	Movie will be *stretched horizontally* to fit entire screen	Movie will be shown in center of screen; vertical bars will appear on sides of screen	No effect – Cropped movie will fill entire screen	No effect – cropped movie will fill entire screen

Note: 4:3PS and 4:3LB are only valid under SD mode (480p/576p or 480i/576i).

5.2.4 Film Mode: system will output 1080p 24Hz if this item is set to ON and disc movies are recorded on film at rate of 24 frames per second.

Note: This item only takes effect when the resolution is set to 1080p. (your TV must be Full HD for this option)

5.2.5 Color Depth:ON/OFF

Note: Please ensure your TV can support deep color properly if you want to select ON.

5.2.6 Bluray 3D mode: Automatic or Forced 2D.

5.2.7 **CEC support:**

Set this item to enable/disable CEC:

The CEC feature is designed to allow CEC-enabled devices to command and control each other without user intervention. For example: If your TV is also CEC -enabled and you will turn off your TV, the Blu-Ray player will get a CEC signal and turn off automatically. Or if you turn on your Blu-Ray player, your TV will automatically turn on and switch to HDMI input.

Note: Not every CEC-Enabled unit is compatible with this unit.

5.3 Audio

5.3.1 PCM Down sampling: select right bitrate for PCM signal to ensure your SPDIF receiver can handle it correctly. It's no effect for HDMI digital audio output.

5.3.2 Digital Output:

If you only have two speakers, set PCM stereo.

If you connect the receiver with more than two speakers, please refer to below tables:

	Receiver Capabilities		
	Can decode DTS	**Can decode Dolby Digital**	**Can decode Dolby Digital Plus**
I want the highest-fidelity audio movie soundtrack possible	Set to 'Bitstream Legacy' for disks with DTS soundtracks.	Set to 'Bitstream Legacy'for disks with Dolby digital soundtracks. Set to PCM 5.1 or PCM 7.1 for disks without Dolby sound tracks (depending on the number of speakers connected to your surround receiver)	Set to 'Bitstream Legacy'fo disks with DD+ soundtracks. Set to PCM 5.1 or PCM 7.1 for disks without Dolby Digital plus sound tracks (depending on the number of speakers connected to your surround receiver)
I want to hear the directors commentary on the BD disk --OR— I want to set this menu item once and then forget it	Set the output to 'Bitstream Mixed'	Set to 'Bitstream mixed' if your receiver also supports DTS. Otherwise, set the output to PCM 5.1 or PCM 7.1 (depending on the number of speakers connected to your surround receiver) instead.	

	Receiver Capabilities		
	Can decode DTS-MA Essential	**Can decode Dolby TrueHD**	**Can't decode DTS-HD or Dolby TrueHD**
I want the highest-fidelity movie soundtrack audio possible	Set to **Bitstream HD** for discs with DTS-HD soundtracks. Set to **Bitstream mixed** otherwise	Set to **Bitstream HD** for discs with Dolby TrueHD soundtracks. Set to **Bitstream mixed** otherwise	Refer to above table to decide
I want to hear the directors commentary on the BD disk --OR— I want to set this menu item once and then forget it	Set the output to **Bitstream mixed**		

5.3.3 Dynamic Range Control: means that you can allow the BD player to make the loud parts of a movie's sound track quieter than they would be in the theatre, without making the dialog of the actors any quieter. (Analog audio output and digital output should be set to PCM or Bitstream Mixed).

5.3.4 Stereo Downmix: Select Auto. Stereo (LoRo) or Surround Enclosed (LtRt).

Note: In order to get the correct primary and secondary mixed audio at the Audio Out FL and FR, please set HDMI to 2ch-PCM in the SETUP menu (Settings>Audio>Digital Output>PCM Stereo) or connect a HDMI cable to your TV.

5.4 BD-Live

5.4.1 **BD-Live Internet Access:** Control BD player accessing internet

Limit access : Only allow the inserted Blu-Ray disc to download content from a BD-Live website which has a valid online certificate. This will reduce the chances of downloading malicious content onto the player.

Always allow access : Allow the BD the inserted Blu-Ray disc to access content from all BD-Live internet sites whose internet address is encoded onto the disc. There is no danger of malicious code download from valid commercial BD discs, but choosing this option and downloading BD-live content via illegally authored BD discs, or discs obtained from questionable sources, could result in malicious code being downloaded onto the player.

Prohibit access : Blocks the inserted Blu-Ray disc from accessing BD-Live content over the internet.

5.4.2 **BD-Live Storage:**

Show BD-Live storage information, select storage device to clear Blu-ray storage.

5.5 System

5.5.1 **Optical Disc Auto Play:** This option is used to tell the BD player whether or not to start loading the main title menu of a disc as soon as the disc tray is closed.

5.5.2 **Screen Saver Duration:**

This option will activate the screen saver mode.

5.5.3 **Auto Power Down:** System will enter standby after certain period of time automatically if no user operation.

5.5.4 **Reset Settings:**

Reset all settings to factory default (Parental Control level will not be reset).

5.5.5 **Erase storage:** Clear Blu-Ray storage

5.5.6 **Legal :** Show GPL information.

5.6 Network

Press “ENTER” button when the item is highlighted, then select “ WIRED” to config network:

5.6.1 **Link Status:** Show if ethernet cable is connected to BD player.

5.6.2 **MAC Address:** Show MAC address of this BD player.

5.6.3 **IP Mode:** Choose IP mode here for internet access. Choosing “Manual” mode, 5.6.4 ~ 5.6.8 will be activated for user input, otherwise they are inactivated.

5.6.4 **IP Address:** Show current IP address or access user input while in “Manual” IP mode.

5.6.5 **Subnet Mask:** Show current Subnet Mask or access user input while in “Manual” IP mode.

5.6.6 **Gateway:** Show current Gateway or access user input while in “Manual” IP mode.

5.6.7 **Primary DNS:** Show current Primary DNS or access user input while in “Manual” IP mode.

5.6.8 Secondary DNS:

Show current Secondary DNS or access user input while in "Manual" IP mode.

5.7 Info

This item shows software and hardware information for loader and main board.

5.8 Parental

This function works in conjunction with Blu-ray Disc/DVDs that have been assigned a rating, which helps you to control the types of Blu-ray Disc/DVDs that your family watches. Select the rating level you want to set.

A large number indicates that the programme is intended for adult use only. For example, if you select up to Level 6, discs that contain Level 7,8 will not play

Parental Password:

Change new password for Parental Control menu operation. (Default value is: 6666)

6. Audio, Video, Picture files on disc or USB devices

6.1 Introduction

This section explains how to play back PC-type audio, pictures, and video files that have been placed onto a disc or USB memory stick.

6.2 Supported Audio, Video, Picture files types

Video

- **.**MPEG4 (.mp4) files
- **.**m4v files
- mpg files

Music:

- **.**mp3 files
- **.**wma files

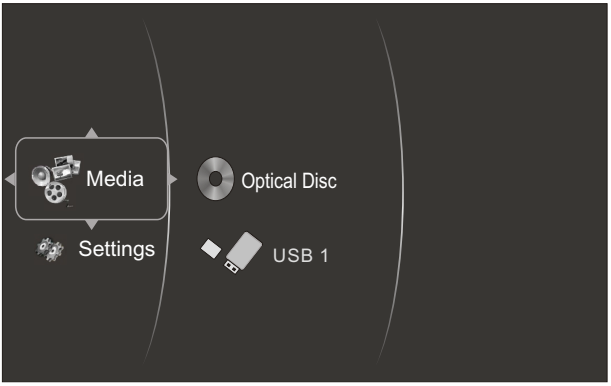
Picture:

- .jpeg files
- .Png files

6.3 Disc or USB device preparation

6.3.1 CD-R/RW, DVD+/-R, DVD+/-RW, BD-R or BD-RE with supported files recorded in UDF or ISO9660 format (must be finalized) can be played back on this BD player.

6.3.2 USB devices must be formatted to FAT/FAT32 to be recognized.



6.4 Browsing video files

6.4.1 After selecting your storage device, select the Videos Icon in the main menu. Press the Enter button to access your video files (Figure 5-1)

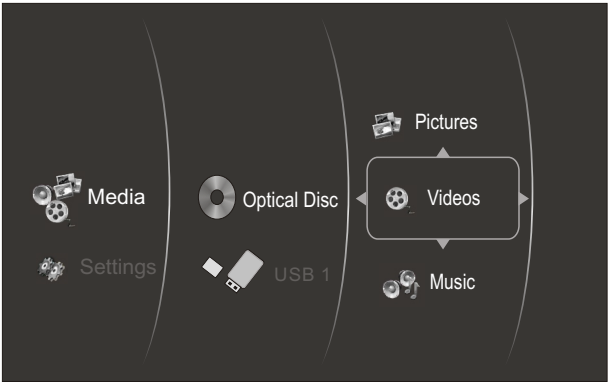


Figure 5-1 Video Media Selector

6.5 Browsing Audio files

6.5.1 After selecting your storage device, select the Music Icon in the main menu. Press the Enter button to access your Audio files. (Figure 5-2)

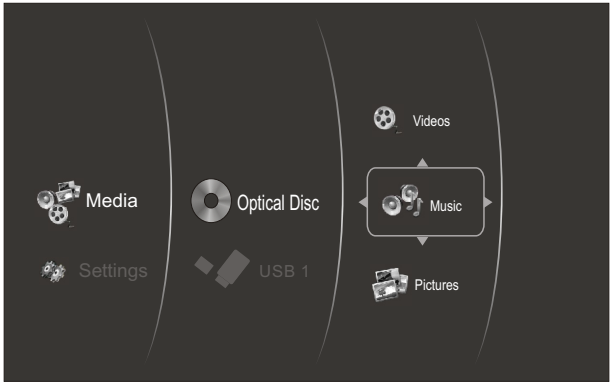


Figure 5-2 Audio Media Selector

6.6 Browsing Photos

6.6.1After selecting your storage device, select the Pictures Icon in the main menu. Press the Enter button to access your Photo files (Figure 5-3)

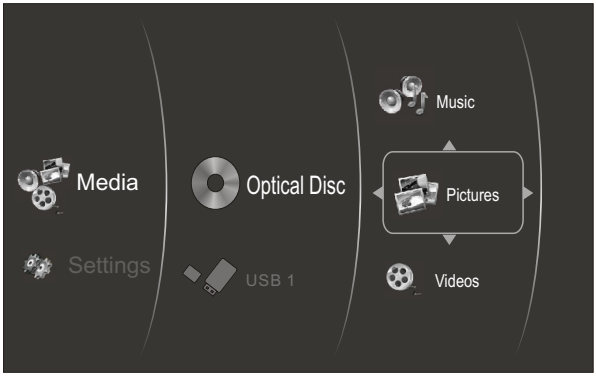


Figure 5-3 Picture Media Selector

7. BD-Live Operation

7.1 Description

Some (but certainly not all) BD discs contain additional features that are made available to players that are connected to the internet, and have additional memory added. These additional features may include things like

-the ability to download new movie trailers,

-additional 'commentary' by actors and directors,

-multiperson game play and chat

In order to access BD-Live functions, the player must be properly configured for BD-Live internet access, and it must be equipped with additional memory.

7.2 Adding external BD-live Memory to player

7.2.1 Obtain USB memory which has been formatted as FAT32.
7.2.2 Insert the USB memory stick into the USB slot on the player.

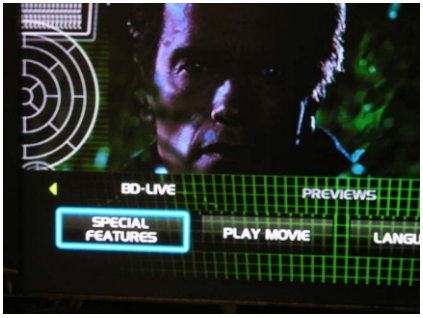
7.3 Setting BD-Live Internet Access Mode

7.3.1 In the BD Player's main setup menu, go to the 'Other" menu choice; Then, choose "BD-Live Internet Access". Be sure that "Limit Access" or "Always Allow Access" is checked.
7.3.2 Once the USB memory stick has been inserted, if there is not at least 100Mbyte of free space on the device, you should choose "Clear BD Storage" from the "Other" setup menu item
7.3.3 In the BD Player's main setup menu, go to the 'Network' menu choice; Then, choose "IP mode". Set up the Network IP addresses per your router's or ISPs recommendations

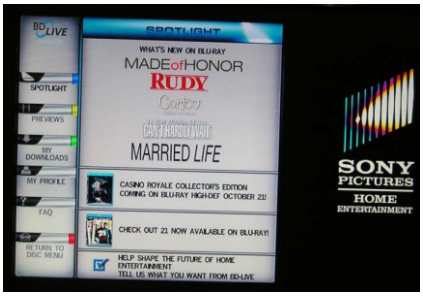
NOTE: The 'Connectivity Test' must pass, or you are not connected to the internet, and cannot access BD-Live Content on the web.

7.4 BD-Live Internet Access Example

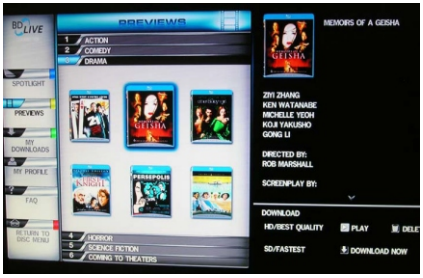
7.4.1 Obtain a BD-Live disc like <The 6th Day>
7.4.2 Select BD-Live option from Special Features Menu (or in some discs you can see the BD-Live option in the main menu)



7.4.3 The player will connect to the internet and show a download menu as the below picture.
Note: This can take several minutes



7.4.4 You can select the content to download from the Previews sub menu.
Note: This can take several minutes.



7.4.5 The downloaded content is stored under My Downloads. You can choose to either play back or delete the downloaded content

7.5 BD-Live Notes

7.5.1 This player only supports the connection of USB memory in order to store BD 2.0 downloaded content
7.5.2 Any externally attached devices will be set as the BD-Live storage. The internal storage availability will be ignored until the external device is disconnected.

7.5.3 Older BD-Live content may have expired and will not function, these files should be deleted by the user to free up storage space.

8. Trouble shooting

If you have any questions, please consult the troubleshooting guide below.

NO PICTURE OR SOUND

- Ensure the power button is on.
- Ensure the power outlet is operational.
- Ensure the power cord is not damaged.
- Ensure the power plug is connected firmly to the outlet.

REMOTE NOT WORKING

- Make sure the Main unit's POWER button is on.
- Ensure the remote batteries are working.
- Point the remote control directly at the player's IR sensor.
- Remove any obstacles between the remote and the IR sensor.

PICTURE BUT NO SOUND

- Ensure the audio jacks are securely connected.
- Ensure the audio connector is not damaged.
- Ensure you have set the player's AUDIO settings correctly.
- Ensure you have entered the correct AV input for your TV.
- Ensure the audio is not set to mute.

UNIT NOT WORKING

- Turn off the power, and then turn it on again.

SOUND BUT NO PICTURE

- Ensure the video jacks are securely connected.
- Ensure you have entered the correct AV input for your TV.
- Ensure the video connector is not damaged.
- Ensure you have set the player's VIDEO settings correctly.

"NO DISC" DISPLAYED

- Ensure you have put the disc on the tray.
- Ensure the disc is not upside down.
- Ensure the disc is not distorted, stained or scratched.

POOR PICTURE OR SOUND

- Ensure you have set the player's AUDIO settings correctly.
- Ensure the disc is not scratched or stained.
- Ensure the AV connector or the output terminal is not damaged.

9. Specifications

General
Power requirements: AC 100-240 Volt, 50/60Hz
Power consumption: 20W

Discs Compatibility:
BD,DVD,DVD+/-R/RW,VCD,CD-DA,CD-R/RW.

Video out
HDMI
CVBS: 1.0V(p-p)/75Ω, sync, negative polarity, RCA pin jack x 1

Audio out
2 channel out: RCA pin jackx2
Coaxial out: 0.5V(p-p)75Ω, RCA pin Jack x l
Frequency response: 20Hz to 20kHz
S/N ratio:>90dB
Total harmonic distortion: <-65dB

[Accessories]

Remote control (including AAA batteries X 2)
Composite video and stereo audio cable
User Manual

Specifications are subject to change without notice.
Weight and dimensions are approximate.

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Version 2, June 1991

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